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Application Number

MAY 1 7 2001

**Filing Date** 

09/464,416

TECH CENTER 1600/2000 deed for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(to be used for all correspondence after initial filing)		First Named Inventor		Yasmin Thanavala et al.	
(to be ased for all correspondence after initial f	Group Art Unit		1651		
A TRADES	Examiner Name		M. Flood		
Total Number of Pages in This Submiss	Attorney Docket Number RPP:150		RPP:156B US		
	ENCLO	SURES (check	all that a	ipply)	
Fee Transmittal Form  Fee Attached  Amendment / Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53	Change of Corr Address Terminal Discl Request for Re CD, Number o	ed Papers  vert to a plication  ney, Revocation respondence  aimer  fund		After Allowance Communication of Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group Appeal Notice, Brief, Reply Brief) Aroprietary Information Attatus Letter Other Enclosure(s) (please Bentify below):	
SIGNATURE O	F APPLICAN	NT, ATTORNEY, (	OR AGE	NT	
Firm or Individual name  Signature  May 2, 2001  Michael L. Dunn, Dunn & Associates  Michael L. Dunn, Dunn & Associates					
CERTIFICATE OF MAILING					
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:    May \( \text{May} \) 2001					
Typed or printed name Michael L. Du	nn 🔿				
Signature Martine	10-		Date M	1ay 5, 2001	

Under the Paperwork Reduction Act of no persons are required to res	orid to a	collec	tion o	Patent : f infor	mark Office; U.S. DEPA unless it displays a va Complete if Known	llic OMB con	no l pour be
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METHOD OF PAYMENT  The Commissioner is hereby authorized to charge	1 2 4	DDIT	_	_		ntinued)	
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Charge Any Additional Fee Required Under 37 CFR 1.16, 1.17, 1.18 and 1.20	139	130	139	130	Non-English specification		
Onder 57 Ct & 1.10, 1.17, 1.10 and 1.20	147	2,520	147	2,520	For filing a request for ex pa	rte reexaminatio	n
Applicant claims small entity status.  See 37 CFR 1.27	112	920*	112	920*	Requesting publication of SI Examiner action	R prior to	
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Check Credit Card Money Order Other  FEE CALCULATION	115	110	215	55	Extension for reply within fi	rst month	
BASIC FILING FEE	116	390	216	195	Extension for reply within s	econd month	
Large Entity Small Entity	117	890	217	445	Extension for reply within t	hird month	
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101 710 201 355 Utility filing fee \$\ \) 106 320 206 160 Design filing fee	128	1,890	228	945		nta monta	$\vdash$
107 490 207 245 Plant filing fee	119	310	219	155	Notice of Appeal		
	120	310	220	155	Filing a brief in support of a	ın appeal	
108 710 208 355 Reissue filing fee	121	270	221	135	Request for oral hearing		
114 150 214 75 Provisional filing fee	138	1,510	138	1,510	Petition to institute a public	use proceeding	
SUDTOTAL (1)	140	110	240	55	Petition to revive - unavoida	able .	
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EXTRA CLAIM FEES	1	1,240	242	620			
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tal Claims20** = X =	144	600	244	300	Plant issue fee		
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Code         (\$)         Code         (\$)           103         18         203         9         Claims in excess of 20	146	. <b>710</b>	246	355	Filing a submission after fit (37 CFR § 1.129(a))	nal rejection	
102 80 202 40 Independent claims in excess of 3	149	710	249	355			
104 270 204 135 Multiple dependent claim, if not paid	1				examined (37 CFR § 1.129(	. ,,	
109 80 209 40 **Reissue independent claims	179	710	279	355	Request for Continued Exa	mination (RCE)	
over original patent  110 18 210 9 **Reissue claims in excess of 20 and over original patent	169	900	169	900	Request for expedited exan of a design application	ination	
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UBMITTED BY					Complete (if applicabl	e)	
me (Print/Type) Michael L. Dunn Registration No.						433-1661	
(Attorney/Agent)	25,330						

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Signature

#17 / S/18/01
RPP:156B US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Yasmin Thanavala et al.

Art Unit:

1651

MAY 1 7 2001

**TECH CENTER 1600/2900** 

Serial No:

09/464,416

Filed:

12/16/1999

Examiner:

M. Flood

For:

ORAL IMMUNOLOGY

USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN

**ANTIGEN** 

PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. §1.48

Commissioner for Patents Washington, D.C. 20231

Sir:

After filing of the above-identified patent application, it was determined that Hugh S. Mason should have been named as a joint inventor.

As evidenced by the enclosed Declaration, the above invention was made and reduced to practice by inventors, Yasmin Thanavala, Charles J. Arntzen and Hugh S. Mason. Without deceptive intent at the time of filing, it was not realized that Dr. Hugh S. Mason should have been added as an inventor for being intimately involved in design, creation and characterization of the transgenic plant material used in the studies incorporated into this patent application, which activities took place at his laboratory at Boyce Thompson Institute for Plant Research, Inc., Room 407, Tower Road, Ithaca, New York 14853, either by Dr. Mason or others under his direct supervision.

It is also agreed upon by the two assignees in this patent application, namely Health Research, Inc. and Boyce Thompson Institute for Plant Research, Inc., that Dr. Hugh S. Mason should be added as a co-inventor along with Dr. Yasmin Thanavala and Dr. Charles J. Arntzen as evidenced by the two enclosed Declarations under 37 CFR §1.48(a)(4).

In view of the foregoing and the enclosed Declarations of Yasmin Thanavala, Charles J. Arntzen, Hugh S. Mason and the Assignees, it is hereby respectfully requested that Hugh S. Mason be added as an inventor to the above-identified patent application.

Dated: May 8, 01

Respectfully submitted,

Michael L. Dunn

Attorney for Applicant(s)

Reg. No. 25,330

P.O. Box 10

Newfane, New York 14108

Telephone: (716) 433-1661

MLD/csc



RPP:156B US

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Yasmin Thanavala et al.

Art Unit:

1651

Serial No:

09/464,416

Filed:

12/16/1999

Examiner:

M. Flood

For:

ORAL IMMUNOLOGY

USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN

**ANTIGEN** 

### CONSENT OF ASSIGNEE TO ADD INVENTORS UNDER 37 CFR §1.48(a)(5)

Commissioner for Patents Washington, D.C. 20231

Sir:

WHEREAS, Health Research, Inc., an Assignee of record of the above-identified patent application as recorded in the U.S. Patent and Trademark Office records at Reel 010627 and Frame 0713, and as evidenced by the enclosed copy of the Notice of Recordation of Assignment document;

THAT, Health Research, Inc., has been notified of the situation wherein one inventor not previously named in the above-identified U.S. patent application should be added;

THAT, the originally named inventor Yasmin Thanavala has consented to the addition of the new inventor Hugh S. Mason and that the new inventor Hugh S. Mason

believes he has contributed to the invention and should be subsequently added as an inventor;

THAT, Health Research, Inc., hereby consents to the addition of the aforementioned inventor, Hugh S. Mason.

THAT, all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated:	5	/2	101			

For and on Behalf of Health Research, Inc.

Michael D. DeLellis Director of Operations





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

MAY 16, 2000

DUNN & ASSOCIATES MICHAEL L. DUNN P.O. BOX 10 NEWFANE, NEW YORK 14108 DUNN & ASSOCIATES

MAY 3 0 2000

\*101297845A\*

RECEIVED

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/23/2000

REEL/FRAME: 010627/0713

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

THANAVALA, YASMIN

DOC DATE: 02/10/2000

ASSIGNEE:

HEALTH RESEARCH, INC. ELM AND CARLTON STREETS BUFFALO, NEW YORK 14263

SERIAL NUMBER: 09464416

PATENT NUMBER:

FILING DATE: 12/16/1999

ISSUE DATE:

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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FORM PTO-1595 FORM PTO-1595 FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE
OMB No. 0651-0011 (exp. 4/94)	Patent and Trademark Office
To the Honorable Commissioner c	TRACE and address of receiving party(ies)
thereof.	& TRADEWAY
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Yasmin Thanavala	No. Heelth Dansonsh Luc
Tashini Thahavala	Name: Health Research, Inc.
	Internal Address: Elm and Carlton Streets
Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No	
3. Nature of Conveyance:	
[X] Assignment [] Merger	Street Address: same as above
[ ] Security Agreement [ ] Change of Name	
	City: Buffalo State: New York ZIP: 14263
[ ] Other	
Execution Date: February 10, 2000	Additional name(s) & address(es) attached? [ ] Yes [ X ] No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, t	he execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/464,416	
Additional numbers att	Iached?[]Yes [X] No
5. Name and address of party to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Dunn & Associates	7. Total fee (37 CFR 3.41)\$ 40.00
	77 2000 200 (07 02 20 77)
Internal Address: P.O. Box 10	[X] Enclosed
	[ ] Authorized to be charged to deposit account
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Street Address: same as above	8. Deposit account number:
City: Newfane State: NY ZIP: 14108	(Attach duplicate copy of this page if paying by deposit account)
27/2000 DCDATES 00000040 09464416 DO NOT US	E THIS SPACE
FC:581 40.00 DF	
9. Statement and signature.	
To the best of my knowledge and belief the foregoing informati original document; however, the above information is not to be a	on is true and correct and any attached copy is a true copy of the
1 / /	2) (a) and a continent which speaks for itself.
Michael L. Dunn Muful	Feb 15, 2000
Name of Person Signing Signature	Date

#### **ASSIGNMENT OF INVENTION**

WHEREAS, I, YASMIN THANAVALA residing at 157 Presidio Place, Williamsville, New York 14221, have invented certain new and useful improvements in:

## ORAL IMMUNOLOGY USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN ANTIGEN

for which I have made application for Letters Patent in the United States; and for which the specification was filed on December 16, 1999, and assigned U.S. Serial No. 09/464,416;

AND WHEREAS, **HEALTH RESEARCH, INC.**, Roswell Park Cancer Institute, Elm & Carlton Streets, Buffalo, New York 14263, a corporation of the State of New York, is desirous of acquiring all interest in said invention, said application disclosing the invention and any Letters Patent which may be granted therefor:

NOW THIS INDENTURE WITNESSETH, that for the sum of One Dollar, and other valuable consideration to me in hand paid, the receipt whereof is hereby acknowledged, I hereby assign, sell and transfer unto said **HEALTH RESEARCH**, **INC.**, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto;

And I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said **HEALTH RESEARCH**, **INC.**, as the Assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of HEALTH RESEARCH, INC., or its designee as HEALTH RESEARCH, INC., or its Assignee may from time-to-time present to me in order to perfect title

in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

man hereafter require and prepare at its own expense.
1.1
al this 10 day of February 2000.
Pasmin Ibanevale.
Yasmin Thanavala
·
SS:
in the year of 2000, before me, the subscriber,
ANAVALA to me known to be the person described in and
ent, and who acknowledged that he executed the same.
York  Cheyl a. Butu  Notary Public



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Yasmin Thanavala et al.

Art Unit:

1651

Serial No:

09/464,416

Filed:

12/16/1999

Examiner:

M. Flood

For:

**ORAL IMMUNOLOGY** 

USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN

**ANTIGEN** 

### CONSENT OF ASSIGNEE TO ADD INVENTORS UNDER 37 CFR §1.48(a)(5)

Commissioner for Patents Washington, D.C. 20231

Sir:

WHEREAS, Boyce Thompson Institute for Plant Research, Inc., an Assignee of record of the above-identified patent application as recorded in the U.S. Patent and Trademark Office records at Reel <u>010627</u> and Frame <u>0726</u>, and as evidenced by the enclosed copy of the Notice of Recordation of Assignment document;

THAT, Boyce Thompson Institute for Plant Research, Inc., has been notified of the situation wherein one inventor not previously named in the above-identified U.S. patent application should be added;

THAT, the originally named inventor Charles J. Arntzen has consented to the addition of the new inventor Hugh S. Mason and that the new inventor Hugh S. Mason

believes he has contributed to the invention and should be subsequently added as an inventor;

THAT, Boyce Thompson Institute for Plant Research, Inc., hereby consents to the addition of the aforementioned inventor, Hugh S. Mason.

THAT, all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

> For and on Behalf of Boyce Thompson Institute for Plant Research, Inc.

Typed Name:

Title: Director of Licensing & Intellectual

Property Management

MAY 1 & 2001 W STATES OF MAN 1 & 2001

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

MAY 16, 2000

DUNN & ASSOCIATES MICHAEL L. DUNN P.O. BOX 10 NEWFANE, NY 14108 DUNN & ASSOCIATES

\*101297846A\*

MAY 3 0 2000

RECEIVED

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/23/2000

REEL/FRAME: 010627/0726

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ARNTZEN, CHARLES J.

DOC DATE: 01/24/2000

ASSIGNEE:

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC.

TOWER ROAD

ITHACA, NEW YORK 14853-1801

SERIAL NUMBER: 09464416

PATENT NUMBER:

FILING DATE: 12/16/1999

ISSUE DATE:

LAWAN FLETCHER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

EODM DTO 1505	
FORM PTO-1595 PATIENTS	
OMB No. 9651-0011 (exp. 4/94)	SUNLI
To the Honorable Commissioner of Patents and Frademarks:	Please record the attached original documents o
thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Charles J. Arntzen	Name: Boyce Thompson Institute for No.
Additional name(s) of conveying party(ies) attached? [ ] Yes [ X ] No	Internal Address: Tower Road  O  Internal Address: Tower Road
3. Nature of Conveyance:	
[X] Assignment [] Merger	Street Address: same as above
[ ] Security Agreement [ ] Change of Name	
[ ] Other	City: Ithaca State: New York ZIP: 14853-1801
Execution Date: January 24, 2000	Additional name(s) & address(es) attached? [ ] Yes [ X ] No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the	ne execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/464,416	D. 1 atom 110.(3)
Additional numbers atta	ched?[]Yes [X]No
5. Name and address of party to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Dunn & Associates	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address: P.O. Box 10	[X] Enclosed
	[ ] Authorized to be charged to deposit account
Street Address: same as above	8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

03/27/2000 DCDATES 00000039 09464416

City: Newfane State: NY

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<del>40.00 @P</del>

ZIP 14108

9. Statement and signature.

To the best of my knowledge and belied the foregoing information is true and correct and any attached copy is a true copy of the original document; however, the above information is not to be used to interpret the document which speaks for itself.

Michael L. Dunn Name of Person Signing

Feb 17, 2000

Total number of pages including cover sheet, attachments, and document: 3

### **ASSIGNMENT OF INVENTION**

WHEREAS, I, CHARLES J. ARNTZEN residing at 1005 Highland Road, Ithaca, New York 14850-1447, have invented certain new and useful improvements in:

# ORAL IMMUNOLOGY USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN ANTIGEN

for which I have made application for Letters Patent in the United States; and for which the specification was filed on December 16, 1999, and assigned U.S. Serial No. 09/464,416;

AND WHEREAS, BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., Tower Road, Ithaca, New York 14853-1801, a corporation of the State of New York, is desirous of acquiring all interest in said invention, said application disclosing the invention and any Letters Patent which may be granted therefor:

NOW THIS INDENTURE WITNESSETH, that for the sum of One Dollar, and other valuable consideration to me in hand paid, the receipt whereof is hereby acknowledged, I hereby assign, sell and transfer unto said BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC. the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto;

And I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., as the Assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., or its designee as BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., or its

Assignee may from time-to-time present to me in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

WITNESS, my hand and seal this $2$	day of January, 2000.
WITNESS:	Charles J. Arntzen
WITNESS:	
+ Jarry Juchowan	
STATE OF NEW YORK COUNTY OF	ss: 476-42-9235
On this 2 4 day of January	in the year of 2000, before me, the subscriber,
personally appeared CHARLES J. ARNTZ	EN to me known to be the person described in and
who executed the foregoing instrument, and	who acknowledged that he executed the same.

LESLEY J. MEASURES Notary Public - Arizona MARICOPA COUNTY

[SEAL]



**RPP:156B US** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Yasmin Thanavala et al.

Art Unit:

1651

Serial No:

09/464,416

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12/16/1999

Examiner:

M. Flood

For:

ORAL IMMUNOLOGY

USING PLANT PRODUCT CONTAINING A NON-ENTERIC PATHOGEN

**ANTIGEN** 

### DECLARATION UNDER 37 C.F.R. §1.48(a)(2)

Commissioner for Patents Washington, D.C. 20231

Sir:

Yasmin Thanavala, Charles J. Arntzen and Hugh S. Mason declare:

THAT, Yasmin Thanavala and Charles J. Arntzen were the originally named inventors in the above-identified U.S. Patent Application;

THAT, at the time of filing the above-identified patent application, Yasmin Thanavala and Charles J. Arntzen inadvertently overlooked or did not realize that Hugh S. Mason had made a significant contribution to the conception of the invention through the design, creation and characterization of the transgenic plant material used in the studies incorporated into this patent application;

THAT, after about one year after the filing of the above application, it was brought to the attention of Boyce Thompson Institute for Plant Research, Inc. that Dr. Hugh

Mason should have been added as an inventor and that Yasmin Thanavala, Charles J. Arntzen and Hugh S. Mason all agree that the three of them are joint inventors and Hugh S. Mason should have been named as an inventor in the originally filed patent application;

THAT, the omission of Hugh S. Mason was in error and without deceptive intent; and

THAT, all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 24 April 2001

Yasmin Thanavala

Dated: 17 april 200

Charles I Arntzen

Dated: 27 Geril 2007

Hugh & Mason